Application No.: 10/572,872 Docket No.: 15652-10100-US

Amendment Dated September 21, 2010 Response to Office Action of March 22, 2010

## **AMENDMENTS TO THE CLAIMS**

1. (Currently amended) A set of purified peptides comprising peptide products resulting from the degradation of elastin by the enzyme matrix metalloproteinase 12 (MMP12), wherein the set of peptides comprises at least twenty of the peptides identified in Table 2.

2. (Canceled).

- 3. (Currently amended) The set of purified peptides as claimed in claim 1 which comprise comprises at least ninety of the peptides identified in Table 2.
- 4. (Currently amended) The set of purified peptides as claimed in claim 1 which comprise comprises at least one hundred and fifty of the peptides identified in Table 2.
- 5. (Currently amended) A set of purified peptides comprising purified peptide products resulting from the degradation of elastin by the enzyme matrix metalloproteinase 12 (MM12) (MMP12), wherein the set of peptides comprises all the peptides identified in Table 1.
- 6. (Currently amended) The set of purified peptides as claimed in claim 1 which comprise comprises all the peptides identified in Table 2.